JIWAJI UNIVERSITY, GWALIOR

No. JU/UGC-SAP/ZOO/01/2013 **Dated: 14.1.2013**

TENDER NOTICE

Sealed Tenders are invited for supply of Instruments. For details please visit our website www.jiwaji.edu. Tender document containing terms, conditions, specifications of the equipment, etc. can be obtained from the Store, Jiwaji University, Gwalior - 474011 up to 3.00 PM of **28/1/2013** on payment of Rs. 1,000/-. Alternatively, the tender form may be downloaded from the website www.jiwaji.edu. The cost of the tender document Rs 1000/- can also be paid through demand draft favouring the Registrar, Jiwaji University, Gwalior.

The last date for receipt of tenders is 28/1/2013 (5.00 PM).

REGISTRAR
Registrar
Jiwaji University
Gwalior

JIWAJI UNIVERSITY, GWALIOR

No. JU/UGC-SAP/ZOO/01/2013 **Dated: 14.1.2013**

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The last date for receipt of tenders is 28/1/2013 (5.00 PM).

REGISTRAR

Tender :
Annexure-1 (To be enclosed with the Technical Bid)

Jiwaji University, Gwalior

Tender Form No. JU/UGC-SAP/ZOO/01/2013

Name of the party in whose : ----------
favour the Tender form has ----------
been issued ----------

To
The Registrar
Jiwaji University
Gwalior 474 011, MP, India

Dear Sir,

1. I/We hereby submit our tender for the_ As per your list
2. I/WE now enclosing herewith the D.D. No…… dated……. For Rs……drawn in favour of the "The Registrar, Jiwaji University, Gwalior" towards EMD, and D.D. No…… dated……. For Rs. 1000 towards tender fee for downloaded tenders. (TENDERS NOT ACCOMPANIED WITH EMD ALONGWITH THE TECHNICAL BID SHALL BE SUMMARILY REJECTED).
3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the Jiwaji University, in this connection including delivery, warranty, penalty, etc. Quotations for each item are being submitted under separate covers, and sheets and shall be considered on their face value.
5. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialed.
6. Tenders are duly signed (No thumb impression should be affixed).
7. I/We undertake to sign the contract/agreement, if required, within 15 (Fifteen days) from the date of issue

of the letter of acceptance, failing which our/my earnest money deposited may be forfeited and our/my name may be removed from the list of suppliers at Jiwaji University, Gwalior.

NOTE: The price quoted should be gross, inclusive of all taxes, payable by us. Vague terms, such as "extras as applicable", are not acceptable.

Yours faithfully,

Signature of Tender(s) with full Address.

Signature of the Bidder with seal

Annexure- 2

(To be enclosed with the Technical Bid)

CHECK LIST FOR TERMS AND CONDITIONS

Check list for Terms and Conditions (To be filled by the bidder and submitted along with the technical bid). Supporting documents must be numbered serially and the same must be indicated here on this page.

These documents should be placed inside the envelope containing technical bid

1. Certificate for Manufacturer/ Indian Subsidiary of the Manufacturer/ Sole representative in India, enclosed.

2. Performance report/List of organization supplied with the same model of the equipment (at least 05 in India) _____

3. Whether rates quoted included all taxes, customs clearance, i.e., FOR Gwalior

4. Whether rates are quoted as per tenders specifications _____

5. Authorised dealership Certificate _____

6. Quotation being submitted directly by the manufacturer or authorized distributor

7. Quality assurance certificate like ISI, $ISO_3$9002, IP/BP or any other, please specify

8. Proof of having filled IT Return for the assessment years 2010-11, 2011-12 and 2012-13 attached _____

9. EMD draft is enclosed_____

10. Tender fee for downloaded tenders enclosed _____

11. Literature of original catalogue of the product and accessories are attached for reference_____

12. Comprehensive Guarantee/Warranty period for one year and thereafter, comprehensive AMC for 2 years to be quoted separately and not as a part of the price: YES/NO.

13. Compliance Statement with relation to specification _____

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)

Signature of the Bidder with seal

Annexure-3

JIWAJI UNIVERSITY, GWALIOR 474 011

SOS in Zoology

Tender Form No Tender Form No. JU/UGC-SAP/ZOO/01/2013

Name of work:	Supply of Laboratory Instruments
Last Date for purchase of Tender Document	:28.01.2013 up to 3.00 p.m.
Last date for submission of Tender form	: 28.01.2013 up to 5.00 p.m.
Tender Opening Date	: 29-01-2013 at 3.00 p.m. in the University office
Tender Cost	:Rs 1,000/- per equipment.
EMD	:Approximately 3% of the quoted price/-

TERMS AND CONDITIONS OF JIWAJI UNIVERSITY, GWALIOR

Tenders will be considered subject to following terms and conditions.

1. All tenders must be carefully accompanied by a bank draft for the specified amount for the item drawn in favor of the Registrar, Jiwaji University, Gwalior as earnest money. Tenders received without earnest money will be liable to be rejected and may not be considered.

2. Tenderers can obtain tender documents against payment of Rs 1000.00 through demand draft drawn in favor of the Registrar, Jiwaji University, Gwalior, on or before up 28.01.2013 to 3.00 pm. on any working day. The document may be downloaded from our web site and a separate draft of Rs. 1000 in favour of the Registrar, Jiwaji University, Gwalior may be enclosed with the EMD draft.

3. The last date for submission of Tender is 28-01-2013before 5.00 P.M. at the office of the Registrar, Jiwaji University, Gwalior.

Signature of the Bidder with seal

4. The Tenderer should agree to execute an agreement for proper supply, installation and satisfactory working of the equipment exactly to the satisfaction mentioned.

5. The rates should be for FOR Gwalior and inclusive of all applicable charges/ duties/ taxes. The prices should be inclusive of sales tax and other charges. The exact details of taxes should be given separately. The total FOR price shall be considered as the price of the equipment.

6. Being an educational Institution it is entitled to issue concessional sales tax certificate. No other sales tax form is issued. If concessional sales tax certificate is not acceptable to the supplier, the actual rate of sales tax to be charged must be clearly mentioned.

7. This institution is exempted from payment of Central Excise duty in terms of Govt. Notification No. 1097-Central Excise dated 01.03.1997. Necessary copy to be provided by the University.

8. For imported equipments: The institution is registered with Department of Science and Industrial Research (DSIR) Govt. of India vide Government Notification No. TU/V/RG-CDE(56)/2009, dated 26.11.2009 is exempted from payment of custom duty.

   Necessary certificate copy shall be provided by the University. The bidder shall be responsible for getting the consignment cleared and deliver the goods. The expenses on it and concessional duties, if any should be included in the cost of the equipment.

9. The price should be FOR destination failing which the offer will be ignored.

10. Manufacturer name, their trademark and brand should invariably be mentioned in the tender and illustrated leaflets giving technical particulars / details etc. should be attached with the quotation to facilitate consideration of the offer.

11. The tenderer should quote their best willing price which should be firm for a period of 120 days from the due date of tender.

13 The maximum period of delivery of the material should be quoted and should in no case the delivery be made beyond March 30,2013

14. The quantities of each item to be purchased may vary according to actual requirement at the time of placing order.

15. If there is any DGS&D rate contract of Government approved rates the same should be quoted enclosing the copy of the rate contract.

16. The tender should avoid the use of vague terms such as “extra as applicable”. Such tenders will be rejected.

17. Printed conditions on the back of the offer submitted will not be binding unless separately mentioned.

18. Quotations shall be inclusive of accessories to be considered together as single unit and thus total price shall be treated as your bid for the tender. Optional items may be quoted separately. Where the equipment offered is controlled by a preloaded personal computer and it is possible to use an indigenous PC, the same should be quoted instead of an imported PC. The same would apply to a printer or any compiled other accessory or subsystem of good quality (Dell/HP/Lenovo) available in India. The PC configuration should be: 3rd gen Intel® Core™ i5-3330S processor, Genuine Windows(R) 7 Home Basic SP1 64 bit (English) (India), 6GB DDR3 SDRAM at 1600MHz, 3.5" 1TB 7200RPM SATA Hard Drive, 1X1TB, or better.

Signature of the Bidder with seal

19. Advance payment either direct or through bank will not be accepted in any case. As per rule, full payment will be made after receipt of material, inspection there of and after satisfactory installation and working of the entire equipment. Site draft option/ LC is acceptable.

20. The successful tenderer, if so required by the University, shall furnish Bank Guarantee from a Nationalized Bank up to 10% of the total value of the order, which is refundable, after satisfactory execution of order within the stipulated delivery period. The penalty of half percent per week shall be imposed by the University, subject to a minimum of 10% for the delivery of the material. No interest shall be paid on the Security Deposit or Earnest Money. The EMD demand drafts shall be returned to the unsuccessful bidders immediately after the Purchase Committee of the University takes a decision on the purchase.

21. The Tenderers should have no extra charges for installation, etc. of the equipment, if any.

22. Offers received not according to our terms and conditions within the time prescribed shall be rejected. Delay due to postal service of any kind will not be considered for acceptance of the order.

23. In all matters of dispute the decision of the Registrar, Jiwaji University, Gwalior shall be final and binding on the tenderers.

24. In case of an authorized dealer, a copy of the current Certificate from Manufacturer must be attached as proof.

29. Date and time of opening is 29.1.13 at 3.00 P.M. in the presence of intending Tenderers or their representatives who may like to be present in the University office, Jiwaji University, Gwalior.

30. If any of the dates of the receipt or opening the tender happen to be declared as holiday, the schedule will be shifted to the next working day automatically.

31. The Sealed Tender Envelope should contain three sealed envelopes.

A. First superscribed as "Technical Bid for instruments)". This should contain the specifications of the equipment & terms and conditions of supply. No price should be mentioned.
B. The second should be superscribed as "Commercial Bid for instruments.

Signature of the Bidder with seal

C: The third should contain separate demand drafts for Ernest money draft and tender fee of Rs. 1,000 in favour of the Registrar, Jiwaji University, Gwalior.

These three separately sealed envelopes should be placed in one sealed envelop and should be superscribed as "Tender Form No. Tender Form No. JU/UGC-SAP/ZOO/01/2013, for instruments to be opened on 29-01-2013 at 3:00 P.M." Only those who fulfill the technical specifications shall be considered for opening the commercial bid.

32. Canvassing for support in any form for the acceptance of any tender is strictly prohibited. Any tenderer doing so will render him liable to the penalties, which may include removing of his name from the register of approved suppliers.

33. All the accessories are to be treated as one unit and separate tenders are not required for each accessory.

34. Tender, duly sealed, should reach the Registrar, Jiwaji University, Gwalior by speed post, registered post, at the inward counter of the University.

35. Any item or offer may increase in number or even might not be purchased without assigning any reason. Registrar, Jiwaji University, Gwalior reserves the right to accept or reject any or all tenders without assigning any reason there of.

36. The prices charged for the items supplied by successful Tenderer shall in no event exceed the lowest price at which the successful Tenderer sells the same items to any other persons during the period of supply to the university. If any time, during the period of supply, the tenderer reduces the sales price chargeable for any item, he shall forthwith notify such reduction to the Registrar, Jiwaji University, Gwalior and the price same payable for the items supplied after the date of coming into force of such reduction or sale shall stand corresponding reduced.

37. The bidder shall forfeit the EMD if we find the bidder providing any false information and no further communication in this respect shall be entertained.

Registrar
Jiwaji University

I/We accept all the terms and conditions of the tender and understand that the decision of the University shall be final and acceptable to me/us.

Signature and Seal of the Tenderer

Date

Signature of the Bidder with seal

Annexure-4 (To be enclosed with the Technical Bid)

QUESTIONAIRE TO BE FILLED BY THE BIDDER AND SUBMITTED ALONG WITH THE TECHNICAL BID

1	Reputed manufactures of equipment (specified in the tender notice) or their authorized agents with well established sales and services facilities only need to respond to the tender notice.	Confirm / do not confirm to requirement
2	Separate quotations must be submitted for each item specified in the tender notice. Taxes, duties, packing & forwarding charge, transport and insurance charge may be separately indicated where applicable.	Complied / not complied
3	The make, model no., detailed specifications, illustrative pamphlets must accompany the quotations without which the quotations are liable to be rejected. This applies for the accessories as well.	Complied / not complied
4	In case the bidder is an authorized agent, documentary proof to this effect must be enclosed with the quotation.	Enclosed / not enclosed
5	Bidder detailed company profile, information on after sale / service and test facilities available along with address and telephone no. of sale office and service centre catering to Gwalior must be given along with the quotation. Details of product & applications support available may also be indicated.	Information enclosed / not enclosed
6	The bidder must indicate whether he is willing to supply complete circuit diagram, wiring diagram component layout diagram, service manual and component identification catalogue along with the equipment free of charge in case an order is placed with him. The supply of this literature will be considered as part of supply of equipment offered.	Will be supplied/ Cannot supply
7	The bidder must furnish a list of costumers to whom the same model of the equipment quoted has been supplied preferably in Central or Northern India. Name and contact telephone no. of the customer may be furnished (at least 05).	Enclosed / not enclosed
8	Quotation must be furnished in sealed envelopes separately for each item quoted under the tender. The name of the item quoted and tender notice particular should be clearly indicated in the top of the envelope.	Complied / not complied
9	Bidders are requested to carefully go through the specifications given in the tender and quote only when they are sure they have product specified to offer. In case of any doubt, the bidder can contact the Registrar, Jiwaji University, Gwalior on any working day with prior appointment.	Complied / not complied
10	Warranty details and terms and conditions of warranty must be given. If any component of the equipment quoted is not covered by the warranty, the same must be specified. Comprehensive Guarantee/Warranty period shall be for one to two year and thereafter comprehensive AMC for 2 years to be quoted separately.	Complied / not complied
11	Bidder must indicate the year in which the model quoted by him was introduced in the market. Bidder must indicate whether he is willing to give an undertaking that all spare parts of the equipment quoted will be supplied as and when ordered for at least a period of 10 years from the date of supply and inability of supply the spares due to the obsolescence of the equipment will not be pleaded.	Complied / not complied
12	Where the equipment offered is controlled by a personal computer and it is possible to use an indigenous PC, the same should be quoted instead of an imported PC. The same would apply to a printer or any compiled other accessory or subsystem of good quality available in India.	Complied / not complied
13	Where the equipment offered is modular, the price break-up of individual modules/accessories/parts must be given.	Complied / not complied

Signature of the Bidder with seal

	The bidder may not be given a chance to indicate the price backup at a later date. However the total price shall be considered.	
14	The bidder will furnish a test certificate along with complete test result and the test conditions for the equipment specifications offered in case an order is placed.	Agreeable / Not agreeable
15	Bidders must indicate whether he can arrange for comprehensive service training to staff of the instrumentation department on the model offered at his expense.	Yes / No
16	a) If an order is placed with the bidder, the bidder will install and test the equipment to its specifications at site of installation free of charge.	Agreeable / Not agreeable
	b) If it is not possible to test some specifications, the same may be indicated .	Agreeable / Not agreeable
17	The bidder is agreeable to install and test the equipment and undertake after-sales-service only through a factory trained certified engineer. *Evidence to availability of trained personal may be enclosed.*	Yes / No
18	Bidder will carry out validation of the instrument offered at the time of installation at his cost	Yes / No
19	Agency commission (percentage) payable in Indian Rupees should be mentioned in the quotation i.e. in "Commercial Bid .	Complied / not complied / not applicable
20	Performance guarantee: In case the Purchase Order is placed, 10% of the equipment value has to be submitted as performance security deposit in the form of bank Guarantee till the completion of warranty period. a) On behalf of our Principal, we will submit the Bank Guarantee from the date of installation. b) Our Principals will submit Bank Guarantee (an undertaking should be submitted along with quotation from your Principal)	Agreeable / Not agreeable
21	The bidders must ensure that GLP principles are complied with. He must ensure that qualified and well-trained personnel are available to install the equipment and test the functions. The bidders must ensure that GLP compliance programmes are built in to the system and all these tests are carried out at the site of installation. Wherever required, the standards required to carry out such tests, must be provided by bidder with all the particulars of the standards like composition, weight, particulars and operating conditions etc. specified.	Specified / not specified
22	The bidders must be a member of the National or International GLP Compliance Agencies.	Complied / not complied / not applicable
23	The bidder(s) must carry validation test at the site of installation at their own cost.	Yes / No
24	The bidders must also mention the frequency at which the validation test are to be carried out and if so that cost of such analyses.	Information provided / not provided / not applicable

Note: 1) Unless the questionnaire is completely filled in and detailed information provided as required, your offer is liable to be rejected.

2) Complete questionnaire should be signed by the bidder and sent along with the quotation in Technical Bid and a copy in Price Bid.

Signature of the Bidder with seal

Further Instructions

1. Technical bid and price bid should be submitted separately under sealed covers and both the envelopes put together in another cover which should be sealed. This is to ensure that if the technical bid qualifies with the laid down specifications and configurations, only then price bid will be opened. Otherwise the price bid will automatically get rejected along with the technical bid not fulfilling the specifications/ configurations. The envelopes should be supersrcibed has been mentioned earlier, carefully.

2. EMD: EMD and Tender fee should be in the form of SEPARATE DRAFTS PLACED IN THE EMD COVER.

3. The technical bid must have the following enclosures:

a. True copy of the commercial bid but with the prices omitted. All items quoted must be clearly indicated.

b. The original D.D. of the EMD should be kept in a separate sealed cover.

c. Detailed literature, illustrative pamphlets, company profile, customers list & questionnaire duly filled and Annexures: 1-5 duly signed.

4. The three sealed envelops (i.Technical bid, ii. Commercial bid and iii. EMD) should be kept in the outer sealed cover.

5. Proof of filled the Income Tax return for assessment years 2010-11, 2011-12, 2012-13 should be enclosed along with sales tax details.

6. Authorized dealers should submit a copy of valid dealership certificate along with quotation.

7. Last date for the receipt of the sealed quotation shall be 28.01.2013 at 5.00 P.M.

8. Late/ delayed offers will not be accepted.

9. Conditional, telegraphic tenders shall not be accepted.

10. In event of any date indicated above is a declared holiday the next working day

shall become operative for the respective purpose mentioned therein.

11.The technical bids will be opened in the presence of the bidders or their authorized representatives on 29.01.2013 at 3.00 P.M. in the University Office, Jiwaji University, Gwalior. It is the responsibility of the bidders to present themselves at the time of opening of the technical bids.

12. The Registrar of Jiwaji University reserves the right to accept or reject any offer in part or whole without assigning any reasons whatsoever.

13. The tender document can be downloaded from the website of the university. The Downloaded tenders should accompany a draft of Rs 1000/- towards the tender fee.

Signature of the Bidder with Seal

Annexe-5

ROTARY MICROTOME

- Senior Rotary Microtome (Spencer type) latest model
- Feed adjustment 1-50 microns in step of 1 micron each
- Packed in card board box with one razor 120mm, three object holders, dust cover and oil can bottle

TISSUE FLOTATION BATH

- Bath size: 200mm x 110mm
- Black anodized aluminum inside & powder coated aluminum outside
- Temp. Range: Amb. +5C to 80C
- Digital temperature indicator cum controller, LED display for SV & PV
- Ideal for histological, chemical, clinical & bacteriological labs used to stretch & dry cut tissues, to work on 220 / 230V AC supply

DOUBLE BEAM UV-Visible SPECTROPHOTOMETER WITH VARIABLE RANGE

- Micro controller based, stand alone unit with two 10mm path length quartz cuvettes
- Wavelength: 190-1100 nm, 0.1nm resolution, Accuracy ±1nm, Repeatability ±0.5nm
- Bandwidth <2nm
- Photometric: Resolution 0 to 2.5A, Accuracy: ±0.005A at 1 A, Repeatibility: ±0.002 at 1A, Photometric drift: Better then 0.001A/hr after 2 hour warmup
- Straylight: Less then 0.1% T at 220nm & 370nm
- Measuring modes: % T, ABS, CONC by K factor & multistandards
- Sample Holder: 5 position for 100mm cuvette
- Minimum sample Vol: 2ml in 4ml cuvette or 500ul in 1ml cuvette
- Source: Tungsten halogen lamp: 320nm to 1100nm, Deutrium lamp: 200nm to 340nm, facility to changeover between 320-340nm
- Detector: UV enhanced wide range solid state photodiode
- RS232 interface
- Dimensions (mm): 560(W) x 425(D) x 205(H)
- Power: 220 / 230 V, AC
- Weight: 21kg approx

- Interactive menu driven operation, 20x4 alphanumeric LCD display, Automatic source optimization, base line correction & 5 position sample changer
- Data processing (Through optional PC) Peak pick, Point pick, Expansion / Overlaying / Averaging / Subtraction 1^{st} to 4^{th} derivative of spectra, besides storage & retrieval of data

BEHAVIOUR INSTRUMENT

- T-Maze: The T maze is shaped like T, The test animal starts at the base of T, the animal walks forward and choose the left or right arm of the maze.
- Y-Maze: The Y maze is shaped like Y, The test animal starts at the end of one arm, the animal walks forward and chooses one of the other two.
- Radial Arm maze: The radial arm maze has a center platform with eight spokes radiating our from a central core

DISTILLATION UNIT

- Water still 4Ltr/Hr, power 3kw by a chromium plated heater housed in a horizontal borosilicate glass boiler. (Boiler, 3KW heater & Condenser)
- Distilled output is cool ensured by a high efficiency condenser, temperature of distillate 25C – 40C tested for ambient room temperature of 30C
- Provision for wall mounting, unit must carry CE marking
- Output: 4Ltr/hr
- Conductivity (Using raw water): 3.0 – 4.0 us/cm
- Conductivity (Using treated water): 1.5 – 2.0 us/cm
- PH: 5.5 – 6.0 pH
- Distillate quality: Pyrogen free
- Dimensions: 50cm (w) x 15cm (d) x 45cm (h)
- Weight: 6kg (Approx)
- Power: 220 / 240V (Single phase)
- Minimum pressure: 3 PS (0.2 x 105NM_2)

LABORATORY OVEN

- Lab Oven Perfect system upto 350C, system should have one path of circulating Hot Air in between the inner chamber & insulation, forced air moved by the motorized blower (Perfect system) minimum temperature variation at any point in working space.
- Temperature controlled by PID micro processor controller Dual Display with safety alarm from 100C to 350C with a sensitivity of ±1C in bare oven

- Working chamber and outside stainless steel (Full SS)
- Size: 600x600x600mm
- Volume: 216 Liter (Approx)
- No. of trey: 2
- Power: 220 / 230V, AC – 3 phase
- Traceability calibration certificate of controller required

LABORATORY INCUBATOR

- Lab Incubator Perfect system, should have one path of circulating Hot Air in between the inner chamber & insulation, forced air moved by the motorized blower (Perfect system) minimum temperature variation at any point in working space.
- Temperature controlled by PID micro processor controller Dual Display with safety alarm from 5C above ambient to 70C with a sensitivity of ±0.1C in bare incubator.
- Working chamber and outside stainless steel (Full SS)
- Size: 600x600x600mm
- Volume: 216 Liter (Approx)
- No. of trey: 2
- Power: 220 / 230V, AC – 3 phase
- Traceability calibration certificate of controller required

CENTRIFUGE MACHINE

- Revolutionary microprocessor laboratory centrifuge
- Maximum speed: 6000RPM
- Max. RCF: 5070g
- Max. capacity: 400ml
- WxDxH: 380x460x305
- Supply: 220V – 240V, 50Hz, single phase
- With brushless induction motor & frequency drive
- Digital display of speed & time, brake, imbalance detector and lid lock
- 2 swing our rotor heads of 12x15ml and 6x50ml (With graduated glass tubes)
- 2 angle rotor heads of 12x15ml and 6x50ml (With polypropylene tubes)

PH METER

- pH meter with combined electrode, temperature probe, electrode stand & clamp alongwith instruction manual
- Range: 0 to 14 pH
- Resolution: 0.001pH
- Stability: 0.002 pH per hour
- Relative accuracy: ±0.002 pH ± 1 digit
- Acceptable electrode slope: 85% to 115%
- mV Range: Absolute 0 to ±1999.9mV
    - Relative 0 to ±1999.9mv (With reference to 7pH buffer)
- Resolution: 0.1mV
- Accuracy: ±mV ±1digit, or ±0.05% of reading, whichever is greater
- Temp. compensation: (Auto / Manual)
- Range: 0 to 99.9 C
- Resolution: ±0.1C
- Accuracy: ±0.5C ±1digit
- Display: 2 line, 20-character alphanumeric LCD
- Printer port 25 pin, D type, compatibility with Epson dot matrix
- Power supply: 230V AC ± 10% 50Hz
- Dimensions: 305(w) x 265(d) x 125(h) mm
- Weight: 2.5kg (Approx)

PIPETTES

- Fixed volume pipette of various capacities
- Rugged construction
- Extremely smooth piston movement
- Autoclavable Tip ejector & Tip holder
- Easy to maintain
- Individual factory calibration certificate with each pipette

Capacity:

2ul -1000 ul

ELECTROPHORESIS APPARATUS WITH POWER SUPPLY

- Vertical polyacrylamide gel electrophoresis unit
- Double vertical protein system
- Gel size: 12 x 14.5cm
- Power supply – Automatic memory & auto switch off on overload or no load, touch keypad, microprocessor based
- Output: Constant – voltage, current, power
- Range: 5-300V, 1-400mA, 1-120W
- Resolution: 1V, 1mA, 1W
- Time range: 1min – 9hr 9min
- Display: LCD
- Dimension: 28x24x11cm
- Weight: 3.2kg
- Output pack: 4

THERMAL CYCLER 96well GRADIENT MODEL

SPECIFICATIONS

Thermal cycling system :	Active heating and cooling using 8 Peltier elements + 4 Platinum sensors.
Temperature Range:	4°C-99°C
Temperature Accuracy:	±0.25°C
Temperature Uniformity:	±0.5°C
Temperature Resolution:	0.1°C increments
Heating/Cooling Rate:	2.5°C/sec
Condensation Control:	Automatic using a heated lid design
Special Functions:	Auto-resume on power fail on-line logging and graphing, touchdown and long-range programming, linear thermal gradient (programmable up to 24°C), adjustable ramp rate, oligonucleotide calculator, program holds, manual mode, online help, thermal calibration wizard.
Configurations:	96-Well version, Supported consumables: 0.2ml tubes or Strip tubes with flat or domed capes: 96- well high or low skirt plates with strip caps or an adhesive cover

Dimensions:	H220 mm (8.7”) lid closed H330 mm (13.0”) lid open W 310 mm (12.2”) D295 mm (11.6”); 370mm (14.6”) including cables
Weight:	10.9 kg (24lbs)
Electrical:	200-240VAC @ 2Amp (50/60 Hz) Startup Accessories: Silicon Pad, Palm computer Device, SD Memory Card 2GB (Minimum), Power Cable, User Manual.
PC Device:	Microsoft Windows Mobile 6.1, Freescale™ i.MX31 @ 533MHz, 128MB DDR SDRAM, 128MB NAND, User accessible MicroSD card slot, Swappable 3.7V 2000mAh rechargeable Li-ion battery, Backlit PDA keypad (with 4-way navigation), 3.5 Color TFT QVGA (240x320); 262K color (With Service Support), Multiple 4ft/1.2m drops to concrete on all sides across a wide temperature range.
Software:	With unlimited user license. Free upgrades by web download.
Warranty:	1 year

MONOCULAR MICROSCOPE

SPECIFICATIONS

- Coaxial course / fine knobs : Tension adjustment on the right side, Fine focus knob graduated, Stage movement (XY direction) on rack and pinion
- Quadruple revolving nosepiece
- Plane stage 120 x132 mm
- With right hand mechanical stage
- Abbbe condenser N.A. 1.25 (oil immersion) with aperture iris diaphragm
- Blue filter
- Universal power supply, Built-in 6V 20W illuminator Input voltage 100V-240V
- 8cc immersion oil
- Dust Cover and Mirror unit (Plano-concave)
- Monocular observation tube (inclination 45°)
- Binocular observation tube (inclination 45°, Interpupillary distance adjustment range 53-75 mm), diopter adjustment on the left
- Power Cord
- Lamp: 6V20W halogen lamp (x2)
- Objectives: iNEA Achromat 4 X (anti-fungus)
  iNEA Achromat 10 X (anti-fungus)

iNEA Achromat 40 X (anti-fungus) spring
iNEA Achromat 100X (anti-fungus) spring, oil

- Eyepiece: 2 nos iCWHK10X (LB eyepiece 10X), F.N. 18mm, (anti-fungus)

TISSUE HOMOGENISER

- For homogenizing of tissue at high speed, chuck to hold shaft upto 10mm dia.
- Fitted with Teflon grinding pestle
- 50ml glass homogenizing cup with rod as standard and 5ml, 15ml, 25ml & 100ml extra
- Motor 1/8HP, with transformer speed regulator

- Sigma plot software for statistical analysis
- Neubeur Chamber
- Top Pan Balances (1gm-100gm)
- Top Pan Balances (1gm-500gms)
- Hemocytometers
- Digital pH meters
- Digital Thermometers
- Cyclo mixer

Annexure- 2

(To be enclosed with the Technical Bid)

CHECK LIST FOR TERMS AND CONDITIONS

Check list for Terms and Conditions (To be filled by the bidder and submitted along with the technical bid)

1. Certificate for Manufacturer/ Indian Subsidiary of the Manufacturer/ Sole representative in India, enclosed.
2. Performance report/List of organization supplied with the same model of the equipment (at least 05 in India) _____
3. Whether rates quoted included all taxes, customs clearance, i.e., FOR Gwalior
4. Whether rates are quoted as per tenders specifications _____
5. Authority letter from manufacturer/principal enclosed _____
6. Quotation being submitted directly by the manufacturer or authorized distributor

a. _____

7. Quality assurance certificate like ISI, ISO-9002, IP/BP or any other, please specify

a. _____

8. Proof of having filled IT Return for the assessment years 2010-11, 2011-12 and 2012-13

a. attached _____

9. EMD draft is enclosed_____
10. Tender fee for downloaded tenders enclosed _____
11. Literature of original catalogue of the product and accessories are attached for reference_____
12. Comprehensive Guarantee/Warranty period for one year and thereafter, comprehensive AMC for 2 years to be quoted separately and not as a part of the price: YES/NO.
13. Compliance Statement with relation to specification _____

(SIGNATURE OF THE BIDDER WITH NAME & SEAL)

Signature of the Bidder with seal

Annexure-3

JIWAJI UNIVERSITY, GWALIOR 474 011

SOS in Zoology

Tender Form No. JU/UGC-SAP/ZOO/01/2013

Name of work :	Purchase of laboratory instruments
Last Date for purchase of Tender Document	: 28.1.13up to 3.00 p.m.
Last date for submission of Tender form	: 28.1.13 up to 5.00 p.m.
Tender Opening Date	: 29.01.13 at 3.00 p.m. in the University office
Tender Cost	:Rs 1,000/- per equipment.
EMD	:Approximately 3% of the quoted price

TERMS AND CONDITIONS OF JIWAJI UNIVERSITY, GWALIOR

Tenders will be considered subject to following terms and conditions.

1. All tenders must be carefully accompanied by a bank draft for the specified amount for the item drawn in favor of the Registrar, Jiwaji University, Gwalior as earnest money. Tenders received without earnest money will be liable to be rejected and may not be considered.

2. Tenderers can obtain tender documents against payment of Rs 1000.00 through demand draft drawn in favor of the Registrar, Jiwaji University, Gwalior, on or before 28.1.13 up to 5.00 pm. on any working day. The document may be downloaded form our web site and a separate draft of Rs. 1000 in favour of the Registrar, Jiwaji University, Gwalior may be enclosed with the EMD draft.

3. The last date for submission of Tender is28.1.13 before 5.00 P.M. at the office of the Registrar, Jiwaji University, Gwalior.

Signature of the Bidder with seal

4. Tenderer should agree for furnishing of Bank Guarantee from Nationalized bank up to 10% of the cost of the equipment during the warrantee period.

5. The Tenderer should agree to execute an agreement for proper supply, installation and satisfactory working of the equipment exactly to the satisfaction mentioned.

6. The rates should be for FOR Gwalior and inclusive of all applicable charges/ duties/ taxes. The prices should be inclusive of sales tax and other charges. The exact details of taxes should be given separately. The total FOR price shall be considered as the price of the equipment.

7. Being an educational Institution it is entitled to issue concessional sales tax certificate. No other sales tax form is issued. If concessional sales tax certificate is not acceptable to the supplier, the actual rate of sales tax to be charged must be clearly mentioned.

8. This institution is exempted from payment of Central Excise duty in terms of Govt. Notification No. 1097-Central Excise dated 01.03.1997. Necessary copy to be provided by the University.

9. For imported equipments: The institution is registered with Department of Science and Industrial Research (DSIR) Govt. of India vide Government Notification No. TU/V/RG-CDE(56)/2009 dated 26.11.2009 is exempted from payment of custom duty.

   Necessary certificate copy shall be provided by the University. The bidder shall be responsible for getting the consignment cleared and deliver the goods. The expenses on it and concessional duties, if any should be included in the cost of the equipment.

10. The price should be FOR destination failing which the offer will be ignored.

11. Manufacturer name, their trademark and brand should invariably be mentioned in the tender and illustrated leaflets giving technical particulars / details etc. should be attached with the quotation to facilitate consideration of the offer.

12. The tender should quote their best willing price which should be firm from the period of 120 days from the due date of tender.

13 The minimum period of delivery of the material should be quoted.

14. The quantities of each item to be purchased may vary according to actual requirement at the time of placing order.

15. If there is any DGS&D rate contract of Government approved rates the same should be quoted enclosing the copy of the rate contract.

16. The tender should avoid the use of vague terms such as “extra as applicable”. Such tenders will be rejected.

17. Printed conditions on the back of the offer submitted will not be binding unless separately mentioned.

18. Quotations for the accessories to be considered together as one unit and thus total price shall be treated as your bid for the tender. Optional items may be quoted separately. Where the equipment offered is controlled by a preloaded personal computer and it is possible to use an indigenous PC, the same should be quoted instead of an

Signature of the Bidder with seal